## EAST Search History

| Ref# | Hits   | Search Query  | DBs   | Default<br>Operator | Plurals | Time Stamp          |
|------|--------|---|---|---------------------|---------|---------------------|
| L3   | 12     | ("3468843"   "3821151"   "3930028"  <br>"3983086"   "3983185"   "3993607"  <br>"4013815").PN. OR ("4264364").URPN.  | US-PGPUB;<br>USPAT; USOCR                                   | ADJ                 | ON      | 2008/09/14<br>18:12 |
| L4   | 1      | "4582861".pn.   | US-PGPUB;<br>USPAT; USOCR                                   | ADJ                 | ON      | 2008/09/14<br>18:12 |
| L5   | 1      | "5405886".pn.   | US-PGPUB;<br>USPAT; USOCR                                   | ADJ                 | ON      | 2008/09/14<br>18:13 |
| L6   | 16     | ("3067148"   "3948825"   "4040992"  <br>"4141862"   "4569952"   "4582861"  <br>"4707501"   "4767736"   "4845133"  <br>"4902723").PN. OR ("5405886").URPN. | US-PGPUB;<br>USPAT; USOCR                                   | ADJ                 | ON      | 2008/09/14<br>18:13 |
| L7   | 637    | 521/170.ids.  | US-PGPUB;<br>USPAT; USOCR                                   | ADJ                 | ON      | 2008/09/14<br>18:16 |
| L8   | 236    | 521/170.icls. and potassium   | US-PGPUB;<br>USPAT; USOCR                                   | ADJ                 | ON      | 2008/09/14<br>18:16 |
| L9   | 24     | 521/170.icls. and potassium and quaternary ammonium salt  | US-PGPUB;<br>USPAT; USOCR                                   | ADJ                 | ON      | 2008/09/14<br>18:16 |
| L10  | 5      | polyurethane with foam.ab. and potassium<br>near3 ion and quaternary ammonium salt  | US-PGPUB;<br>USPAT; USOCR                                   | ADJ                 | ON      | 2008/09/14<br>18:20 |
| L11  | 26     | polyurethane with foam.ab. and potassium<br>near3 ion   | US-PGPUB;<br>USPAT; USOCR                                   | ADJ                 | ON      | 2008/09/14<br>18:22 |
| L12  | 14     | polyurethane with foam.ab. and potassium<br>near3 ((amount or weight) and ion )   | US-PGPUB;<br>USPAT; USOCR                                   | ADJ                 | ON      | 2008/09/14<br>18:33 |
| L13  | 6      | "5844012".pn. or "4582861".pn. or "4264364".<br>pn.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ                 | ON      | 2008/09/14<br>18:36 |
| _14  | 1      | L13 and potassium   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ                 | ON      | 2008/09/14<br>18:36 |
| L15  | 10     | ("3804782"   "3896052"   "3903018"  <br>"4101465"   "4176218"   "4686240"  <br>"5086175"   "5252624"   "5539011").PN. OR<br>("5844012").URPN.             | US-PGPUB;<br>USPAT; USOCR                                   | ADJ                 | ON      | 2008/09/14<br>18:36 |
| L17  | 15     | 521/17\$.icls. and potassium ion  | US-PGPUB;<br>USPAT; USOCR                                   | ADJ                 | ON      | 2008/09/14<br>18:47 |
| L18  | 125    | polyurethane with foam and potassium ion  | US-PGPUB;<br>USPAT; USOCR                                   | ADJ                 | ON      | 2008/09/14<br>18:48 |
| L19  | 17     | polyurethane with foam and potassium ion with (weight or amount)  | US-PGPUB;<br>USPAT; USOCR                                   | ADJ                 | ON      | 2008/09/14<br>18:48 |
| L20  | 12     | polyurethane.ab. and potassium ion with (weight or amount)  | US-PGPUB;<br>USPAT; USOCR                                   | ADJ                 | ON      | 2008/09/14<br>18:54 |
| L22  | 104342 | potassium with (amount or weight)   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ                 | ON      | 2008/09/14<br>18:57 |

| L23 | 5732 | potassium with (amount or weight) and quaternary ammonium salt                            | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/09/14<br>18:57 |
|-----|------|---|---|-----|----|---------------------|
| L24 | 1125 | potassium with (amount or weight) and quaternary ammonium salt and polyurethane           | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/09/14<br>18:57 |
| L25 | 169  | potassium with (amount or weight) and quaternary ammonium salt and polyurethane. clm.     | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/09/14<br>18:57 |
| L26 | 2    | potassium ion with (amount or weight) and quaternary ammonium salt and polyurethane. clm. | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/09/14<br>18:58 |
| L27 | 256  | potassium with ((amount or weight) and amine) and polyurethane.clm.                       | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/09/14<br>19:00 |
| L28 | 0    | potassium ion with ((amount or weight) and amine) and polyurethane.clm.                   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/09/14<br>19:00 |
| L29 | 171  | potassium with ((amount or weight) and amine) and polyurethane.ab.                        | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/09/14<br>19:04 |
| L30 | 84   | potassium with ((amount or weight) and amine) and polyurethane with foam.ab.              | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/09/14<br>19:05 |
| L31 | 34   | potassium with ((amount or weight) and amine and foam) and polyurethane with foam.ab.     | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/09/14<br>19:23 |
| L32 | 3    | potassium ion with ((amount or weight) and foam) and polyurethane with foam.ab.           | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/09/14<br>19:26 |
| L33 | 9    | potassium ion with ((amount or weight)) and polyurethane with foam.ab.                    | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/09/14<br>19:26 |
| L34 | 389  | potassium with ((amount or weight)) and polyurethane with foam.ab.                        | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/09/14<br>19:27 |

| L35 | 16     | ("3067148"   "3948825"   "4040992"  <br>"4141862"   "4569952"   "4582861"  <br>"4707501"   "4767736"   "4845133"  <br>"4902723").PN. OR ("5405886").URPN.  | US-PGPUB;<br>USPAT; USOCR                         | ADJ | ON | 2008/09/14<br>19:28 |
|-----|--------|--|---|-----|----|---------------------|
| L36 | 1      | "5380768".pn.  | US-PGPUB;<br>USPAT; USOCR                         | ADJ | ON | 2008/09/14<br>19:31 |
| L37 | 6927   | K+   | US-PGPUB;<br>USPAT; USOCR                         | ADJ | ON | 2008/09/14<br>19:35 |
| L38 | 0      | K+ and 521/17\$.icls.  | US-PGPUB;<br>USPAT; USOCR                         | ADJ | ON | 2008/09/14<br>19:35 |
| L39 | 1      | K with ion and 521/17\$.icls.  | US-PGPUB;<br>USPAT; USOCR                         | ADJ | ON | 2008/09/14<br>19:35 |
| L40 | 15     | potassium near3 content and 521/17\$.icls.   | US-PGPUB;<br>USPAT; USOCR                         | ADJ | ON | 2008/09/14<br>19:36 |
| L41 | 796    | catalyst with polyurethane foam.clm.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/09/14<br>19:53 |
| L42 | 55     | catalyst near3 polyurethane foam.clm.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/09/14<br>19:53 |
| S1  | 2      | "565521".ap.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/21<br>15:09 |
| S2  | 8      | tris-(hydroxyethyl)methyl ammonium or tris<br>(hydroxyethyl)methyl ammonium or<br>trishydroxyethylmethyl ammonium or<br>trishydroxyethyl methyl ammonium or tris<br>(hydroxyethyl)methyl ammonium or<br>trishydroxyethylmethylammonium | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/21<br>15:14 |
| ಜ   | 208    | \$hydroxyethyl\$methyl near ammonium   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/21<br>15:23 |
| S4  | 424316 | polyurethane   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/21<br>15:23 |
| S5  | 44     | S3 and S4  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/21<br>15:23 |
| S6  | 175    | polyurethane and DMEA with catalyst  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/08/21<br>15:55 |
| S7  | 36     | grigsby robert.in.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/09/14<br>14:28 |
| S8  | 2      | "5013813" .pn.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/09/14<br>14:35 |
| S9  | 2      | "4789689" .pn.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/09/14<br>14:37 |

| S10 | 330    | zimmerman robert.in.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/09/14<br>14:57 |
|-----|--------|--|---|-----|----|---------------------|
| S11 | 124    | zimmerman robert.in. and amine   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/09/14<br>14:57 |
| S12 | 41     | zimmerman robert.in. and amine.clm.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/09/14<br>14:57 |
| S13 | 180178 | polyurethane.ab.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/09/14<br>15:14 |
| S14 | 8874   | polyurethane.ab. and amine with catalyst   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/09/14<br>15:15 |
| S15 | 72     | polyurethane.ab. and amine with catalyst and (cation with ammonium)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/09/14<br>15:15 |
| S16 | 23     | polyurethane.ab. and amine with catalyst and (cation with ammonium) and (\$odor or \$scent or \$smell)             | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/09/14<br>15:15 |
| S17 | 2      | "5977262".pn.  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/09/14<br>15:16 |
| S19 | 8      | tris-(hydroxyethyl)methyl ammonium   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/09/14<br>15:20 |
| S20 | 12     | ("3468843"   "3821151"   "3930028"  <br>"3983086"   "3983185"   "3993607"  <br>"4013815").PN. OR ("4264364").URPN. | US-PGPUB;<br>USPAT; USOCR                         | ADJ | ON | 2008/09/14<br>15:23 |
| S21 | 156    | polyurethane.ab. and quaternary ammonium with (structure or formula)   | US-PGPUB;<br>USPAT; USOCR                         | ADJ | ON | 2008/09/14<br>15:24 |
| S22 | 23     | polyurethane.ab. and ammonium cation with (structure or formula)   | US-PGPUB;<br>USPAT; USOCR                         | ADJ | ON | 2008/09/14<br>15:50 |
| S23 | 422    | polyurethane.ab. and ammonium with (structure or formula)  | US-PGPUB;<br>USPAT; USOCR                         | ADJ | ON | 2008/09/14<br>15:51 |
| S24 | 0      | polyurethane.ab. and trishydroxyethylmethyl ammonium   | US-PGPUB;<br>USPAT; USOCR                         | ADJ | ON | 2008/09/14<br>16:01 |
| S25 | 0      | polyurethane.ab. and tris hydroxyethylmethyl<br>ammonium   | US-PGPUB;<br>USPAT; USOCR                         | ADJ | ON | 2008/09/14<br>16:01 |
| S26 | 0      | polyurethane.ab. and tris-hydroxyethyl-methyl ammonium   | US-PGPUB;<br>USPAT; USOCR                         | ADJ | ON | 2008/09/14<br>16:01 |
| S27 | 1      | polyurethane.ab. and tris(hydroxyethyl)methyl<br>ammonium  | US-PGPUB;<br>USPAT; USOCR                         | ADJ | ON | 2008/09/14<br>16:01 |
| S28 | 1      | polyurethane.ab. and tris(hydroxyethyl) methyl<br>ammonium   | US-PGPUB;<br>USPAT; USOCR                         | ADJ | ON | 2008/09/14<br>16:01 |
| S29 | 1      | "4136240".pn.  | US-PGPUB;<br>USPAT; USOCR                         | ADJ | ON | 2008/09/14<br>16:03 |

| S30  | 1  | \$themah\$ same huntsman\$   | US-PGPUB;<br>USPAT; USOCR                                   | ADJ | ON | 2008/09/14<br>16:17 |
|------|----|--|---|-----|----|---------------------|
| S31  | 4  | \$themah\$   | US-PGPUB;<br>USPAT; USOCR                                   | ADJ | ON | 2008/09/14<br>16:18 |
| S32  | 0  | naohiko nakano.in.   | US-PGPUB;<br>USPAT; USOCR                                   | ADJ | ON | 2008/09/14<br>16:19 |
| S33  | 7  | nakano naohiko.in.   | US-PGPUB;<br>USPAT; USOCR                                   | ADJ | ON | 2008/09/14<br>16:19 |
| S34  | 38 | nakano naohiko.in.   | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/09/14<br>16:20 |
| \$35 | 5  | "3619351".pn.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/09/14<br>16:23 |
| S36  | 6  | "5844012".pn. or "4582861".pn. or "4264364".<br>pn.  | US-PGPUB;<br>USPAT;<br>USOCR; FPRS;<br>EPO; JPO;<br>DERWENT | ADJ | ON | 2008/09/14<br>16:27 |
| S37  | 49 | ("3010963"   "3050477"   "3087912"  <br>"3476933"   "3824199"   "3892687"  <br>"3993652"   "4040992"   "4116879"  <br>"4136240"   "4186255"   "4365025").PN. OR<br>("4582861").URPN. | US-PGPUB;<br>USPAT; USOCR                                   | ADJ | ON | 2008/09/14<br>16:36 |

9/14/2008 8:54:18 PM

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